WARM UP:

1. Complete the following table:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | st. dev. | Min | Q1 | med | Q3 | max | IQR | Range |
| Original | 48.5 | 6.7 | 15 | 32 | 39 | 47 | 92 |  |  |
| + 15 |  |  |  |  |  |  |  |  |  |
| × 3 |  |  |  |  |  |  |  |  |  |
| × 5 − 12 |  |  |  |  |  |  |  |  |  |
| ÷2 + 18 |  |  |  |  |  |  |  |  |  |

1. During a budget meeting, local school board members decided to review class size information to determine if their budgets were correct. Summary stats are shown below:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| mean | st. dev. | Min | Q1 | med | Q3 | max | IQR | Range |
| 33.39 | 5.66 | 17 | 29 | 33 | 40 | 42 |  |  |

The school district budgets per student. They budget each class as follows: $12 per class, plus $0.75 per student in the class. In other words:

BUDGET = 12 + 0.75(STUDENTS)

What are the summary statistics for the budget?

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| mean | st. dev. | Min | Q1 | med | Q3 | max | IQR | Range |
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| + 15 |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |